ECS Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Dept.
Henry Baez	**4/1/02**	**02-0263**		925-1025	2101D	Sys Eng

8. CCR Title: Exchange 4 CPU Board on PVC Firewall, p0fwi09, with 1 CPU board from l0fwi09

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date: 4/3/2002
Henry Baez /s/ 4/1/02	**II**	**CCR**	

13. Office Manager Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 27).
Jim Mather /s/ 4/1/02	Initial ECS Baseline Doc.	Emergency

16. Documentation/Drawings Impacted:	17. Schedule Impact:	18. CI(s) Affected:

19. Release Affected by this Change:	20. Date due to Customer:	21. Estimated Cost:
6A	4/3/2002	None - Under 100K

22. Source Reference: ☐ NCR (attach) ☐ Action Item ☐ Tech Ref. ☐ GSFC ☐ Other:

23. Problem: (use additional Sheets if necessary)
The firewall installed at EDC has only one CPU. Monitoring of CPU utilization during the first few days after installation has shown peak periods where the load at EDC show CPU utilization of close to 100% between system and user utilization. The heaviest loads collate to heavy FTP flows.

24. Proposed Solution: (use additional sheets if necessary)
The PVC firewall has a 4 CPU board. The LaRC firewall is scheduled tentatively set for April 22. Take the one CPU board out of the LaRC firewall. Shutdown PVC's firewall and take the 4 CPU board out. Put LaRC's one CPU board into PVC firewall and ship to EDC the PVC 4 CPU board.

25. Alternate Solution: (use additional sheets if necessary)
The vendor has said it normally takes from three to four weeks after order is placed to get the 4 CPU board. After the order is placed there might be some change to expedite the ship date, but this is an unknown factor.

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
The longer EDC production is affected, the bigger the negative impact on customers and the program.

27. Justification for Emergency (If Block 15 is "Emergency"):
Impact to EDC customers will keep EDC operating at reduce capacity, so it will not be listed as 'green' until 4 CPU board is installed.

28. Site(s) Affected: ☐ EDF ☒ PVC ☐ VATC ☒ EDC ☐ GSFC ☐ LaRC ☐ NSIDC ☐ SMC ☐ AK ☐ JPL ☐ EOC ☐ IDG Test Cell ☐ Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date): **Byron Peters 4/1/02**	**Disposition:** `Approved` App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. M&O CCB Chair (Sign/Date): **Gary Gavigan 4/1/02**	**Disposition:** `Approved` App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	**Disposition:** Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS

ADDITIONAL SHEET

CCR #: 02-0263   Rev: — Originator: Henry Baez

Telephone: 925-1025   **Office:** 2101D

Title of Change: Exchange 4 CPU Board on PVC Firewall, p0fwi09, with 1 CPU board from l0fwi09

Work Done at Landover:
1. Copy l0fwi09 /etc/firewall/portuskey.4 to a floopy.
2. Make a copy of p0fwi09 /etc/firewall/portuskey.4 to a floopy and a backup copy on p0fwi09.
3. Shutdown LaRC firewall, l0fwi09, EIN 00005948, IBM S/N 10-16A9F, and take out CPU board.
4. Shutdown PVC firewall, p0fwi09, EIN 00014266, IBM S/N 10-0F32F, and replace PVC 4 CPU board with LaRC one CPU board.
5. Reboot p0fwi09 and check it is working correctly. Check to see if PORUS software comes up. If it does not, copy l0fwi09 /etc/firewall/portuskey.4 from floopy to p0fwi09 /etc/firewall/portuskey.4.
6. Packaged and ship to EDC PVC 4 CPU board and p0fwi09 /etc/firewall/portuskey.4 on a floopy if needed.

Work Done at EDC:
7. Make a copy of e0fwi09 /etc/firewall/portuskey.4 to a floopy and a backup copy on e0fwi09.
8. Shutdown e0fwi09 at EDC, take out one CPU board, and installs PVC 4 CPU board.
9. Reboot e0fwi09 and check it is working correctly. Check to see if PORUS software comes up. If it does not, copy p0fwi09 /etc/firewall/portuskey.4 from floopy to l0fwi09 /etc/firewall/portuskey.4.
10. Packaged and ship to Landover EDC 1 CPU board and e0fwi09 /etc/firewall/portuskey.4 on a floopy.

Work Done at Landover:
11. Shutdown PVC p0fwi09 and replace LaRC CPU board with returened EDC 1 CPU board form EDC.
12. Reboot p0fwi09 and check it is working correctly. Check to see if PORUS software comes up. If it does not, copy e0fwi09 /etc/firewall/portuskey.4 from floopy to p0fwi09 /etc/firewall/portuskey.4.
13. Install l0fwi09 CPU board from p0fwi09 back into l0fwi09.
14. Reboot l0fwi09 and check it is working correctly.